

What is Claimed is:

1. A device for processing a PIP (picture in picture) in a TV comprising:
a first video processing part for receiving, and processing a main picture video
signal into a signal displayable on a screen;
5 a second video processing part for receiving, and processing a sub picture
video signal into a signal displayable on a region of the screen;
a control part for providing a control signal according to a users command; and,
an adjusting part for adjusting a presenting ratio of a video signal from the
second video processing part in response to the control signal from the control part.
- 10 2. A device as claimed in claim 1, wherein the first video processing part
includes;
an analog/digital converter for receiving, and converting analog R, G, B video
signals into digital R, G, B video signals, and
15 a format converter for maintaining outputs of the digital R, G, B video signals
converted at the analog/digital converter constant.
- 20 3. A device as claimed in claim 1, wherein the second video processing part
includes;
a video decoder 21 for receiving a video signal, and decoding the sub picture
video signal from the video signal, and
a second format converter for converting an output of the video signal decoded
at the video decoder 22 constant.

4. A device as claimed in claim 1, wherein the adjusting part is a bit shifter.

5 5. A device as claimed in claim 4, wherein the bit shifter adjusts a difference of superimposing bits of the main picture, and the sub-picture MSB bit data according to the control signal from the control part.

10 6. A device as claimed in claim 1, further comprising a switching part for superimposing the video signal from the first video processing part and the video signal from the bit shifter selectively according to the control signal from the control part.

7. A method for processing a PIP in a TV, comprising the steps of:

- 15 (a) displaying the PIP when a user selects a PIP function;
(b) displaying a mix ratio of the displayed PIP and main picture; and
(c) adjusting the mix ratio the user desires with reference to the displayed mix ratio.

8. A method as claimed in claim 7, wherein the step (b) includes the step of displaying the mix ratio in a form of an OSD.

20 9. A method as claimed in claim 7, wherein the step (c) includes the step of adjusting a luminance of a PIP according to a users requirement with reference to the mix ratio displayed in the OSD form, for adjusting the mix ratio of a picture in a region the main picture and the sub picture are superimposed.

10. A method as claimed in claim 7, wherein the step (c) includes the step of fixing the mix ratio depending on connections between the video signal data from the first video processing part and the video signal from the second video processing part according to a users requirement.

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